

Adrian Roy PEPPER, *et al.*
Serial No. 10/564,782
August 25, 2008

AMENDMENTS TO THE SPECIFICATION:

Page 1, insert the following heading and sub-heading between the title of the invention and the first paragraph thereof:

BACKGROUND

1. Technical Field

Page 1, insert the following sub-heading between the 1st and 2nd paragraphs:

2. Related Art

Page 2, insert the following heading between the 2nd and 3rd full paragraphs:

BRIEF SUMMARY

Page 7, insert the following heading before the 1st paragraph:

BRIEF DESCRIPTION OF THE DRAWINGS

Page 7, insert the following heading before the paragraph beginning at line 20:

DETAILED DESCRIPTION OF EXEMPLARY EMBODIMENTS

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Page 9, 1st full paragraph:

An expansion port 261 is also provided, connected to the signal input interface 260. This allows the addition of future modems or other connectivity ~~whilst~~ while still using the same connection port to connect to the line.

Pages 10-11, bridging paragraph:

A further aspect of the device is that it is able to perform throughput testing, i.e. it is able to act as a passive link within the data carrying service, allowing the data to flow normally and unimpeded (at true upstream /downstream data rates, either as a function of an ATM cell count or bytes per second), ~~whilst~~ while continuously monitoring the service to check it is functioning correctly. To operate in this mode, the device may be connected, for example, via sockets 5 and 6 between the customer premises equipment at one end and the central office equipment at the other.

Page 11, 2nd full paragraph:

~~Whilst~~ While dual-modem test circuits are already known in the prior art, they are not used for throughput testing. For example, known test devices include Veratas 992 ECR, available from Aware, Inc., Massachusetts (<http://www.aware.com>), a development system for DSL to assist developers to build and test ADSL based products and services.

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This DSL network test system is a dual modem test box in which each modem can emulate either an ADSL transceiver unit central office (ATU-C) or an ADSL transceiver unit remote terminal (ATU-R). In this manner, the system is able to mimic either central office or customer premises equipment, but the modems are not connected to test for throughput.

Page 14, 1st and 2nd full paragraphs:

The invention thus provides a test device comprising apparatus which enables the type of service to be tested to be automatically identified prior to commencing the test procedure. The type of service is automatically identified by performing a sequence of tests using the relevant test circuits of the test device. The test device comprises a plurality of circuits which mimic modem terminations all on the same connection socket 5,6 without needing to disconnect/reconnect the tested link to the connection socket between the tests for different services. By establishing a passive link using the dual modem arrangement provided by sockets 5,6 throughput testing can be performed in which the throughput data flow is unimpeded whilst while the device performs the various test functions.

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~~Whilst~~ While the embodiments described hereinabove describe test circuits which are sequentially used to determine the identity of the data carrying service, those skilled in the art will appreciate that it is possible to receive a data service via a port 5,6 which is subsequently split into a plurality of data streams which are processed in parallel by a plurality of test circuits in an alternative embodiment of the invention.

Page 15, change "CLAIMS" to -- WHAT IS CLAIMED IS: --